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Specification Sheet (Superceded) / 01
Polypropylene

8320
Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

General Properties	***Data***	***Unit***	***Test method***
Melt Flow rate (mfr 190/5)	0.5	g/10 min	ISO 1133
Melt Flow rate (mfr 230/2,16)	0.4	g/10 min	ISO 1133
Moulding compound	PP-B,ENH 10-35-003		DIN EN ISO 1873
Sheet classification acc. standard non-toxicity	TG2.1		EN ISO 15013

Mechanical Properties	***Data***	***Unit***	***Test method***
Tensile stress at yield	23	N/mm²	ISO 527-1
Elongation at yield stress	8	%	ISO 527-1
Elongation at break	>50	%	ISO 527-1
Modulus of elasticity in tension	1100	N/mm²	ISO 527-1
Notched Impact strength	>40	mJ/mm²	ISO 179
Shore hardness D	69		ISO 868

Thermal Properties	***Data***	***Unit***	***Test method***
Fire Behaviour	HB		UL 94
Crystalline grain melting range	160-167	°C	DSC
Thermal conductivity	0,2 (*)	W/mK	DIN 52612
Coefficient of linear expansion between 20°	1-2*10^-4 (*)	1/K	DIN 53752
Temperature range (short-term)	-30....150 (*)	°C	
Temperature range	-30....100 (*)	°C	DRUCK- UND MEDIE
Fire Behaviour	B2		DIN 4102

Electrical Properties	***Data***	***Unit***	***Test method***
Insulation resistance	>10^14	Ohm x cm	DIN VDE 0303
Surface resistance	>10^13	Ohm	DIN VDE 0303
Track resistance	CTI 600	Stufe/Stage/Degré	IEC 60112
Electric strength, 1mm	> 30	kV/mm	IEC 60243
Arc resistance	L4 (*)	Stufe/degree/degré	DIN VDE 0303
*) literature values **) Depends on pressure and media			

Change Control Date	***Change***
18/11/2013	Created

The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (https://bit.ly/3nKm6Hj) unless otherwise stated.
Our standard terms and conditions of trading (https://bit.ly/3b3mThw) apply at all times.